

Oasys REPORTER 9.3

October 2008

- [General notes](#)
- New features in REPORTER 9.3
 - [Table object](#)
 - [Variable expressions](#)
 - [Oasys objects without images](#)

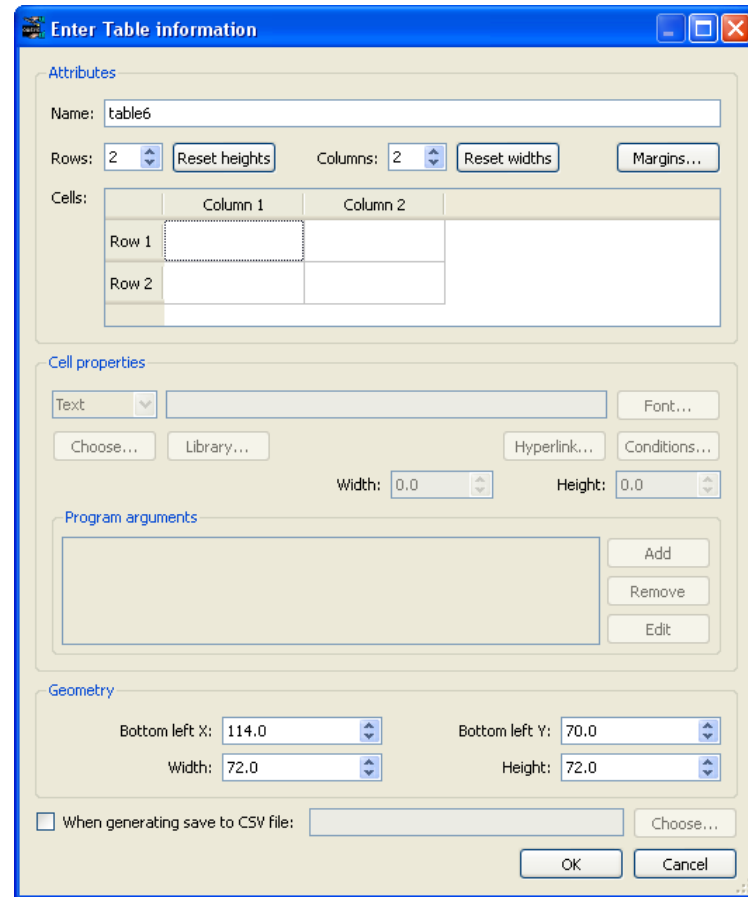
- This presentation is intended for existing users who are already familiar with the previous release, REPORTER 9.2.3.
- Descriptions of the features that were introduced in version 9.2 are available in a separate presentation which is available to download from our website.

- For this release, we have updated REPORTER's security.
- All users will require a new licence file and a new (Version 10) FLEXlm licence server. These are available through Oasys Ltd or your local distributor.
- Version 9.3 is a full release of the full suite of Oasys software products. The release includes:
 - All Oasys software (PRIMER, D3PLOT, T/HIS, REPORTER, Oasys SHELL)
 - Full online manuals (html and .pdf)
 - Release notes
 - Presentations describing the new features
 - Library directory for each program containing example scripts (PRIMER and D3PLOT) and Macros (T/HIS).

- Oasys REPORTER now has a 'normal' table object.



Insert table object by dragging screen area. Dialogue box is then mapped



Number of rows and columns in table

WYSIWYG view of table cells

Properties of selected cell(s). The font, colour and style for multiple cells can be changed in one operation if multiple cells are selected.

Table dimensions

Table margins

Enter Table information

Attributes

Name: table7

Rows: 7 [Reset heights] Columns: 2 [Reset widths] Margins...

Cells:

	Column 1	Column 2
Row 1	Termination status:	%REPORTER_HOM.
Row 2	CPU time	%REPORTER_HOM.
Row 3	Date:	%REPORTER_HOM.
Row 4	LS-DYNA version:	%REPORTER HOM.

Cell properties

Program: %REPORTER_HOME%/reporter_library/scripts/termination.js [Font...]

[Choose...] [Library...] [Hyperlink...] [Conditions...]

Width: 67.8 Height: 12.6

Program arguments

%DEFAULT_DIR%/ %DEFAULT_JOB%.otf [Add] [Remove] [Edit]

Geometry

Bottom left X: 8.0 Bottom left Y: 10.0

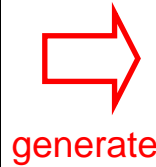
Width: 137.0 Height: 89.0

When generating save to CSV file: [Choose...]

[OK] [Cancel]

Design view

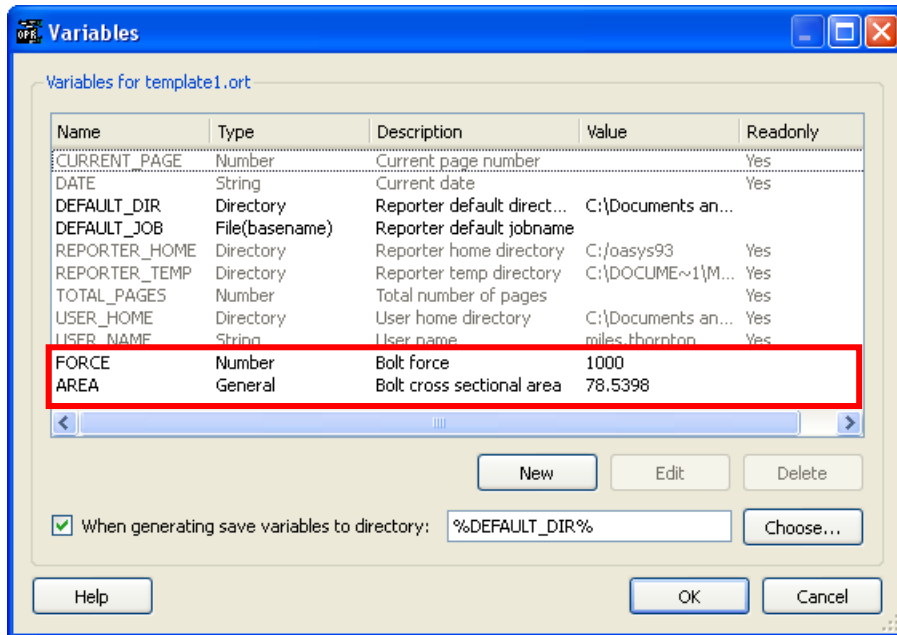
Termination status:	rary/scripts/termination.js %DE
CPU time	brary/scripts/cpu_time.js %DEF
Date:	_library/scripts/date.js %DEFAU
LS-DYNA version:	ibrary/scripts/version.js %DEFA
Added mass:	/scripts/final_added_mass.js %
Max acceleration:	%BMAX%g
% Difference from baseline:	%PERCENT%



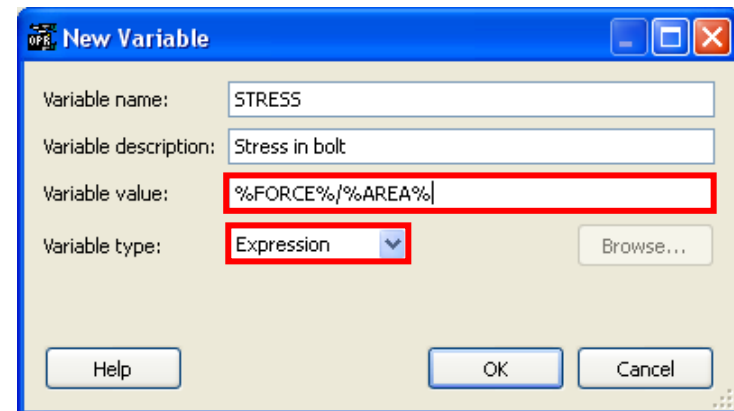
Presentation view

Termination status:	Normal
CPU time	0 hours 4 minutes 35 seconds
Date:	10/13/2005
LS-DYNA version:	mpp970s (6763) MPP
Added mass:	8.8066E-04
Max acceleration:	28.38276g
% Difference from baseline:	-19.0%

- Simple maths can now be done on variables using variable expressions
For example if we have 2 variables FORCE and AREA and we want to calculate a stress and store it in variable STRESS.

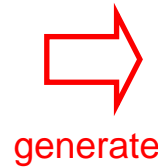


The variable STRESS is defined with type 'Expression' and for the value the expression %FORCE%/%AREA% is given (you can also right click and use the 'Insert variable' option to select variables)



Design view

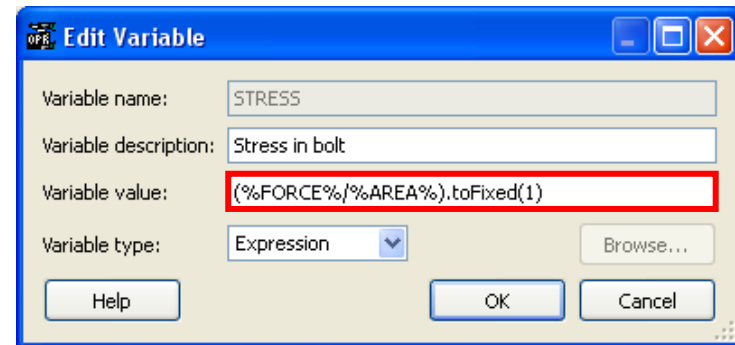
Stress	%STRESS%
--------	----------



Presentation view

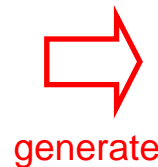
Stress	12.732398096
--------	--------------

- The expression is evaluated as a JavaScript expression and so as well as simple maths (+ - * /) it can contain any valid JavaScript expression. e.g. To limit the number of significant figures we could use the JavaScript method `Number.toFixed()`



Design view

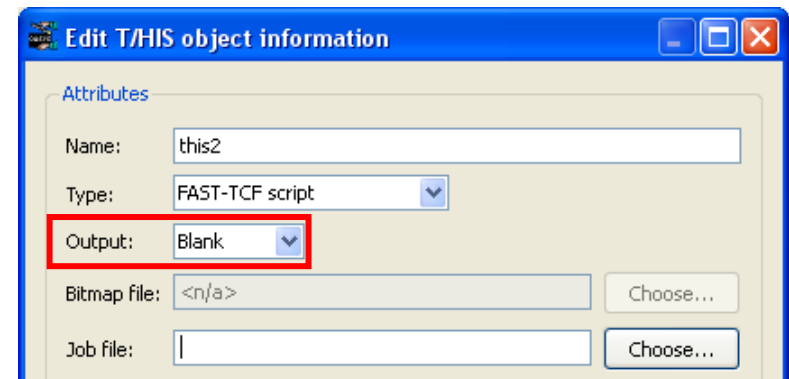
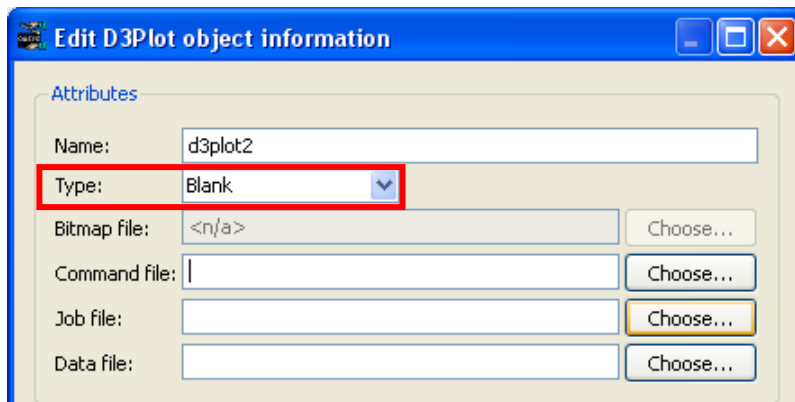
Stress	%STRESS%
--------	----------



Presentation view

Stress	12.7
--------	------

- It is now possible to have D3PLOT and T/HIS objects that do not return an image. For example, this is useful when you don't want to create an output image but you want to:
 - use FAST-TCF to process/generate curves to be used in another step in the report
 - use FAST-TCF to generate multiple images which are inserted into the report later
 - use JavaScript or write/scan in D3PLOT to write data to a file so it can be used in calculations later



ARUP

www.arup.com/dyna

For more information please contact the following:

UK:

Arup

The Arup Campus
Blythe Valley Park
Solihull, West Midlands
B90 8AE

UK

T +44 (0)121 213 3399

F +44 (0)121 213 3302

dyna.support@arup.com

China:

Arup

39/F-41/F Huai Hai Plaza
Huai Hai Road (M)
Shanghai
China 200031

T +86 21 6126 2875

F +86 21 6126 2882

china.support@arup.com

India:

nHance Engineering Solutions Pvt. Ltd (Arup)

Plot No. 39, Ananth Info Park
Opposite Oracle Campus
HiTec City-Phase II
Madhapur

Hyderabad - 500081

India

T +91 (0) 40 44369797 / 8

india.support@arup.com

or contact your local Oasys distributor